

WQB "Wide Aperture Quad" for Main Injector

7 July 2005, 9:00 AM

IB2 conference room

Attendees: Linda Alsip, Weiren Chou, Dave Harding, Bill Robotham, Linda Valerio, John Zweibohmer

Design

After consulting with everyone she could find, Linda V. reports contentment with the two flange configuration, allowing a universal design. There are still people on vacation who may have an opinion, but we have time. Weiren asked for clarification on the BPM alignment tolerances.

The BPM drawings have been released and reached Purchasing yesterday.

Procurement

The outside shop fabricating the power jumpers and the manifolding support pieces cannot deliver the parts until 20 July. We will try to make one set in-house.

Fabrication

WQB001 is welded and the main bus and manifolding has been fitted up dry. While waiting for the last parts, the magnet has been given its primer coat of paint.

The second magnet is going together, with two cores sitting in the rollover fixture and the other two being prepared. Its vacuum tube is due back from the shop today.

All the coils for the third magnet are wound, and two are in the mold ready for potting. The first quarter core is ready for welding.

Schedule

It will take about a week of work after the bus parts are received to make the magnet ready for testing. The earliest that is imagined is about 21 July, and it could be another week after that. We will look at shortcuts to provide a measurable magnet, including possibly deferring bussing the trim coil and final painting.

MTF Measurement plan

Vladimir left a suggestion for what to try second if he is not back from vacation when the first measurements are complete, though that looks unlikely at this point.

IQB320 has not yet been measured.

Next meeting: Tentatively - Thursday, 21 July, 9:00 AM, IB2 Conference Room if there is something to discuss. Dave will decide and send e-mail on Monday, 18 July.